



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. INSTALL NON-INVASIVE MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN CABLE
B. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
C. USE EXISTING HANDHOLE
D. USE EXISTING CONDUIT
E. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
F. INSTALL ELECTRICAL HANDHOLE
G. DISCONNECT AND ABANDON EXISTING LOOP DETECTORS
H. REMOVE EXISTING HANDHOLE
I. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
J. INSTALL 5 IN. SKIP WHITE PAVEMENT MARKING LINE (3' LINE - 9' GAP)
K. INSTALL 5 IN. SOLID YELLOW PAVEMENT MARKING LINE
L. CAP AND ABANDON EXISTING CONDUIT

GENERAL NOTES

1. DISCONNECT EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AT MD 24 AND SINGER ROAD. PULL BACK TO THIS POINT. REINSTALL THROUGH NEW CONDUIT TO THE EXISTING BASE MOUNTED CABINET AND CONTROLLER, AND CONTROLLER.
2. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
4. ALL INTERNAL CABINET WIRING TO BE PERFORMED BY THE SHA SIGNAL SHOP.
5. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLE.
6. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
7. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.

PROJECT DESCRIPTION
THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 24 AND SINGER ROAD IN HARFORD COUNTY. MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE EXISTING CONTROLLER OPERATION WILL NOT BE CHANGED.

PROJECT CONSTRUCTION
WORK WILL CONSIST OF REPLACING THE SOUTHBOUND PASSAGE DETECTION ON MD 24.

EQUIPMENT LIST "B"	
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.	
QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
2 EA	NON-INVASIVE MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN
425 LF	3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
70 LF	3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
3 EA	ELECTRICAL HANDHOLE
1 EA	ADJUST EXISTING HANDHOLE TO FINAL GRADE
LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
410 LF	5 IN. YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
120 LF	5 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
100 LF	DISCONNECT, PULL-BACK AND RE-ROUTE CABLE

GEOMETRIC LEGEND	
EXISTING	---
PROPOSED	---
UTILITY LEGEND	
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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APPROVALS	REVISIONS
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	3-31-10 - T11158 1/270 - SHA NO. BW-998M82 C REPLACE N.B. PASSAGE DETECTORS DUE TO WIDENING 10-4-02 SHA NO. BW-998M82 MH TZ B GEOMETRIC CHANGES, PHASING CHANGES NEW LOOP DETECTORS 10-14-99 SHA NO. BW-998M82 FJH

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE _____ CONTRACT NO. _____

DESIGNED BY _____ COUNTY HARFORD
DRAWN BY T. SPECIA LOGMILE 12002405.2
CHECKED BY M. ELAAQUAR T.I.M.S. NO. K-270
F.A.P. NO. _____ TOD NO. _____

DRAWING NO. TS- 2493 D-1 SHEET NO. 1 OF 2

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